

REMARKS

The present application includes claims 1-21. Claims 1-21 were rejected by the Examiner.

Claims 1-21 were rejected under 35 U.S.C. § 102(b) as being anticipated by Tokuyama (U.S. Patent No. 6,229,286).

Tokuyama relates to a charging controller for charging a secondary battery as well as driving a load, such as a laptop computer. Abstract; col. 1, lines 14-19 and Figure 1. Tokuyama mentions measuring load current consumption, battery charging consumption and battery charging voltage and using those measurements to calculate current necessary to drive the load and charge the secondary battery. See, e.g., col. 1, lines 7-61. Measurements are taken using a unit consumption current detection circuit 26, a charging current detection circuit 8 and a charging voltage detection circuit 9. See, e.g., Figure 1 and col. 4, lines 20-39.

Claim 1 of the present application recites, among other things, a plurality of measurement units for measuring **current** in *an imaging system*, each of the plurality of measurement units associated with *one of a plurality of components of the imaging system* to measure **current** in the component. Conversely, Tokuyama has a single consumption current detection circuit for measuring current from the device (e.g., a notebook computer) as a whole, as opposed to a plurality of measurement units in an imaging system measuring current in each of the corresponding particular components in the imaging system. See Figure 1 and col. 4, lines 20-39. Claim 1 also recites that the

power controller dynamically allocates power among the main system power and the battery charger based on current measurements from the plurality of measurement units *and imaging system configuration information*. The Tokuyama reference lacks any mention of system or even notebook computer configuration information and certain makes no suggestion to utilize system (let alone imaging system) configuration information in a dynamic allocation of power. Therefore, for at least these reasons, Applicant respectfully submits that the prior art does not teach or suggest the limitations of claim 1, and independent claim 1 and its dependent claims 2-6 and 21 should be allowable.

Independent claim 7 recites, among other things, measuring current usage *at a plurality of components in an imaging system* and dynamically allocating power in the imaging system *based on a system configuration, the current usage and the current input* in the imaging system. As discussed above, Tokuyama neither measures current usage at a plurality of components in an imaging system (or any other device or system) nor dynamically allocates power based on system configuration. See, e.g., Figure 1 and col. 4, lines 20-39. Thus, Applicant respectfully submits that the prior art does not teach or suggest the limitations of claim 7, and, therefore, independent claim 7 and its dependent claims 8-14 should be allowable.

Independent claim 15 recites, among other things, that a **system configuration** includes at least one of *a selected imaging mode of operation, a number of components in use, component current consumption, available input current and a cord current capacity limit*. Tokuyama does not teach or suggest that a selected imaging mode of

operation, a number of components in use, current consumption for each of those components, available input current and cord current capacity limit can all be included in various combinations in a system configuration. In fact, Tokuyama fails to teach or suggest a system configuration or use of a system configuration in power allocation (let alone dynamic power allocation) at all. Thus, Applicant respectfully submits that the prior art does not teach or suggest the limitations of claim 15, and, therefore, independent claim 15 and its dependent claims 16-20 should be allowable.

CONCLUSION

The Applicant submits that the present application is in condition for allowance. If the Examiner has any questions or the Applicant can be of any assistance, the Examiner is invited and encouraged to contact the Applicant at the number below.

The Commissioner is authorized to charge any necessary fees or credit any overpayment to the Deposit Account of GTC, Account No. 070845.

Respectfully submitted,

Date: November 21, 2006



Christopher N. George
Reg. No. 51,728

McAndrews, Held & Malloy, Ltd.
500 W. Madison Street
34th Floor
Chicago, IL 60661
Phone (312) 775-8000
Fax (312) 775-8100